Hurd, Ralph E. S/N: 10/708,356

IN THE ABSTRACT

Please amend the Abstract as follows:

A system and method for imaging is presented that includes exciting water-exchangeable spins in oxygen-bearingbearable molecules in a ROI having a change in oxygen status. A proton transfer within the ROI from exchangeable protons within water is detected such that changes in oxygen levels across the ROI are distinguishable.